Calculation Software User Guide.

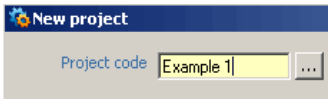
Step 1.

Click on the cog icon to start calculation.

Step 2.

Click on “Industrial Cooling”

Step 3.

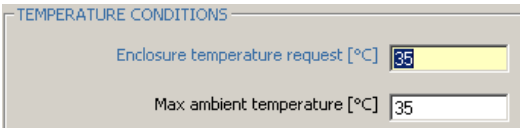
Enter your desired “Project code” name. 

Step 4.

Click on “INDOOR” or” OUTDOOR” depending on your application.

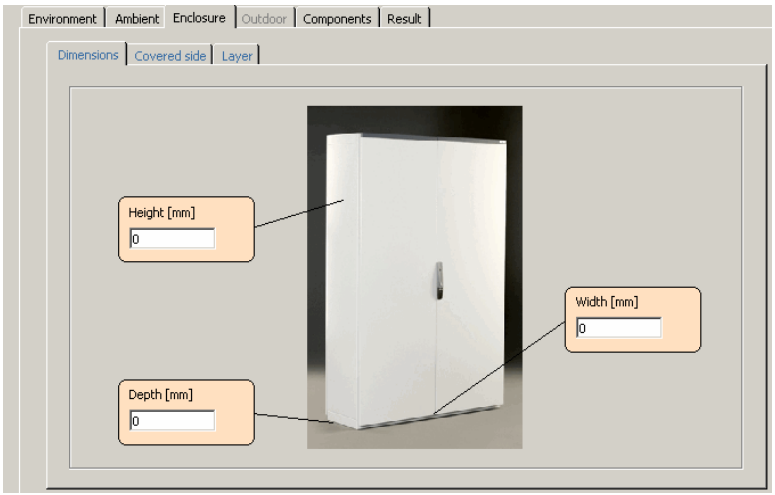
Step 5.

Click on the “Ambient” tab and enter your required internal and maximum external temperatures.

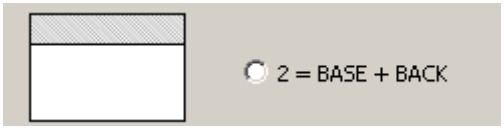


Step 6.

Click on the “Enclosure” tab and enter your enclosure dimensions.

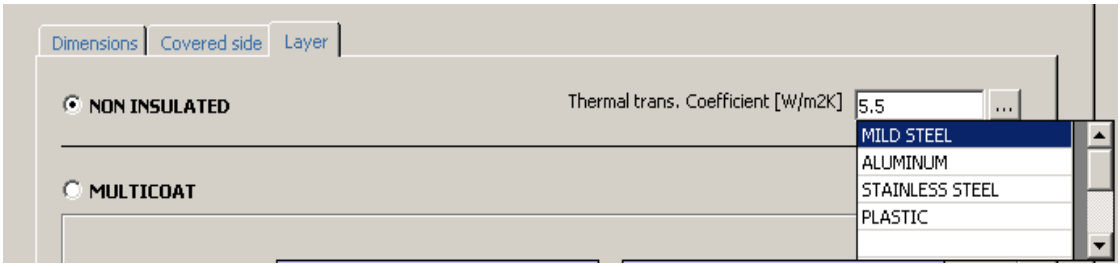


Step 7. Click on the “Covered side” tab and enter the location of your enclosure, for example free standing up against a wall as seen here.



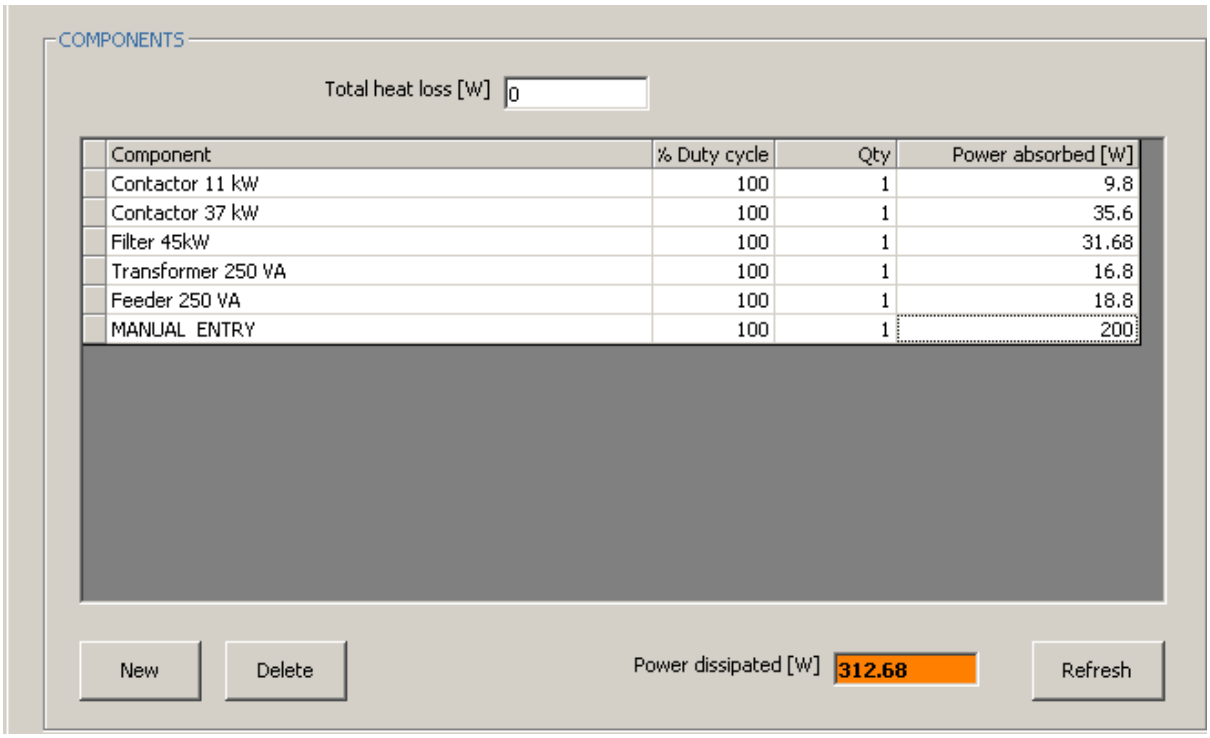
Step 8.

Click on the “Layer” tab then choose “NON INSULATED”. Select enclosure material from the “Thermal trans. Coefficient” drop down box.



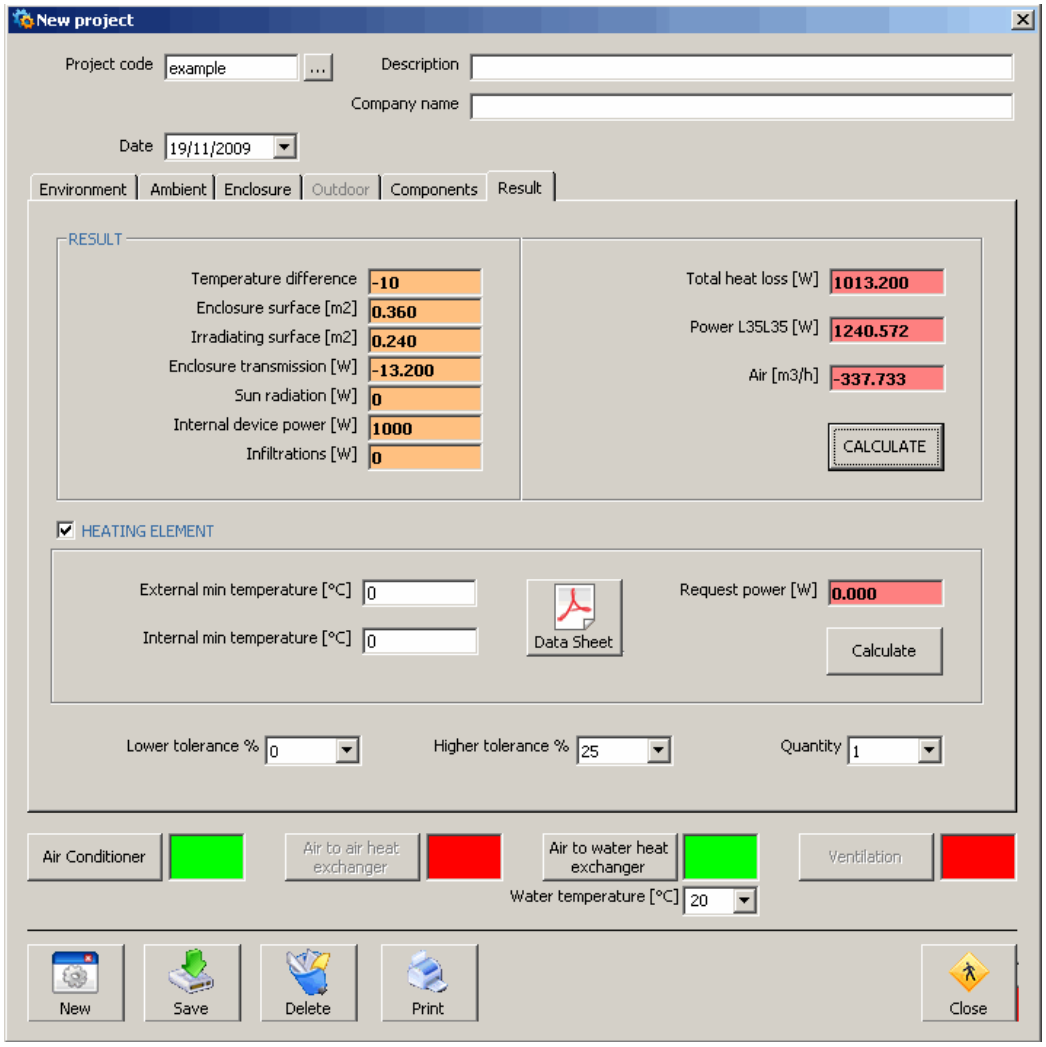
Step 9.

Click on the “Components” tab and enter pre programmed devices from drop down box (select the “New” button for each component). To manually enter components that are not pre programmed click on “Other” from the drop down box and manually enter components. Alternatively, if the power dissipation is known, enter the value directly into the “Power dissipated” space (if using this method, click on the “Refresh” button).



Step 10.

Click on the “Result” tab then click on the “Calculate” tab. Your ventilation or air conditioning option boxes will turn green if this is a suitable type of cooling solution for your application.



Tolerances can also be altered to show the closest suitable sized unit.
If your application requires more than one unit for installation reasons you can also alter the quantity amount.

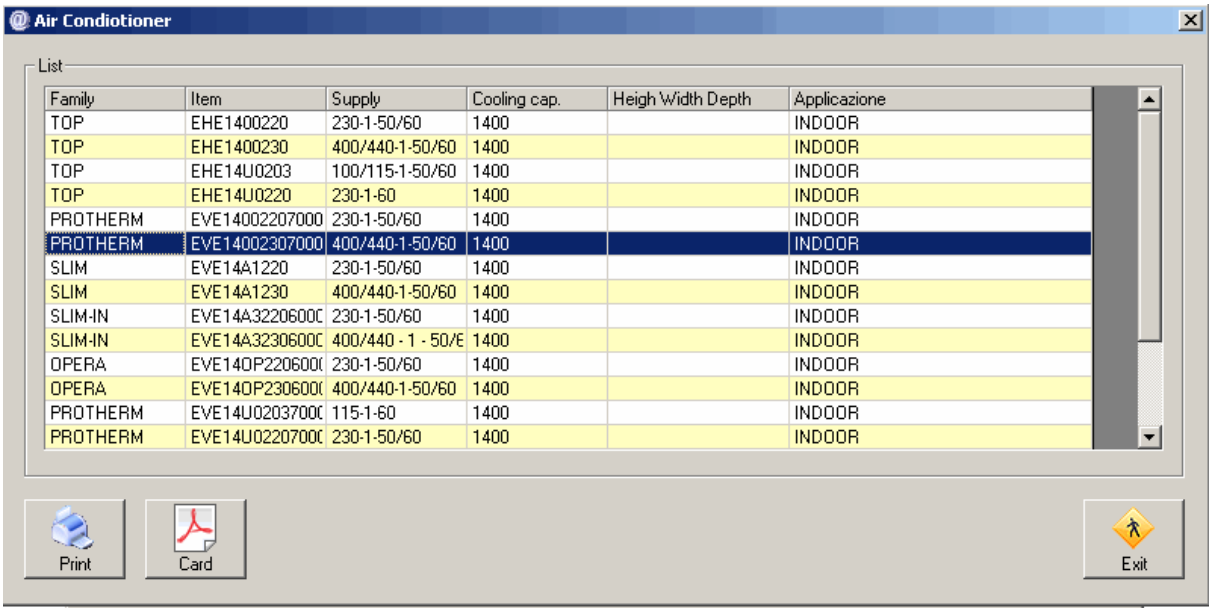
Step 11.

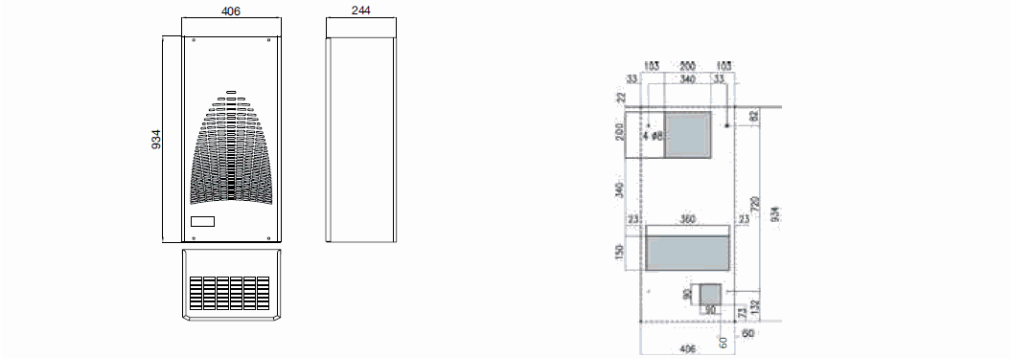
At this point click the “Save” button and all your details for this project will be stored. Click the “Print” button for a paper copy of calculations. Select the most appropriate form of cooling for your application - for example in the above case if you choose air conditioning,

click on the “Air Conditioner” button.

Step 12.

Now choose the unit most suitable and click on the “Card” button for a data sheet on the product.


Air Condiotioner
List
Family | Item | Supply | Cooling cap. | Heigh Width Depth | Applicazione
TOP | EHE1400220 | 230-1-50/60 | 1400 | | INDOOR
TOP | EHE1400230 | 400/440-1-50/60 | 1400 | | INDOOR
TOP | EHE14U0203 | 100/115-1-50/60 | 1400 | | INDOOR
TOP | EHE14U0220 | 230-1-60 | 1400 | | INDOOR
PROTHERM | EVE14002207000 | 230-1-50/60 | 1400 | | INDOOR
PROTHERM | EVE14002307000 | 400/440-1-50/60 | 1400 | | INDOOR
SLIM | EVE14A1220 | 230-1-50/60 | 1400 | | INDOOR
SLIM | EVE14A1230 | 400/440-1-50/60 | 1400 | | INDOOR
SLIM-IN | EVE14A3220600(| 230-1-50/60 | 1400 | | INDOOR
SLIM-IN | EVE14A3230600(| 400/440 - 1 - 50/E | 1400 | | INDOOR
OPERA | EVE14OP220600(| 230-1-50/60 | 1400 | | INDOOR
OPERA | EVE14OP230600(| 400/440-1-50/60 | 1400 | | INDOOR
PROTHERM | EVE14U02037000 | 115-1-60 | 1400 | | INDOOR
PROTHERM | EVE14U02207000 | 230-1-50/60 | 1400 | | INDOOR
Print
Card
Exit



Caratteristiche generali / General features / Allgemeinen Merkmale / Características generales

opzioni principali / main options
wichtigsten Option / opciones principales

CODE - CODICE - CODE - CÓDIGO	M.U.	EVE14002207000	EVE14U02207000	EVE14U02037000
Voltage / Phase / Frequency - Tensione / Fase / Frequenza Spannung / Phase / Frequenz - Voltaje / Fase / Frecuencia	V-ph-Hz	230-1-50/60	230-1-50/60	115-1-60
Cooling capacity L35L35 - Potenza raffreddamento L35L35 - DIN 3168 Kälteleistung L35L35 - Potencia refrigeración L35L35 - DIN 3168	W	1400	1400	1400
Cooling capacity L35L50 - Potenza raffreddamento L35L50 - DIN 3168 Kälteleistung L35L50 - Potencia refrigeración L35L50 - DIN 3168	W	1170	1170	1170
Height / Width / Depth - Altezza / Larghezza / Profondità Höhe / Breite / Tiefe - Altura / Ancho / Profundidad	mm	934x406x244	934x406x244	934x406x244
Max running current - Corrente max. in marcia Betriebsstrom max. - Corriente máxima, en marcha	A	5	5	9,5
Starting current - Corrente assorbita alla partenza Anlaufstrom - Corriente absorbida al arranque	A	17	17	32
Power absorbed L35L50 - Potenza assorbita L35L50 - DIN 3168 Leistungsaufnahme L35L50 - Potencia absorbida L35L50 - DIN 3168	W	939	939	860
Side cabinet fan flow, free air - Portata aria ventil. lato armadio, bocca libera Luftmenge Schrankseite, freie Öffnung - Caudal aire ventil. lado armario	m³/h	575	575	575
Side cabinet temperature limits - Limiti temperatura lato armadio Temperaturbereich Schrankseite - Límites temperatura lado armario	°C	25-45	25 - 45	25 - 45
Side ambient temperature limits - Limiti temperatura lato ambiente Temperaturbereich Raumseite - Límites temperatura lado ambiente	°C	20-55	20 - 55	20 - 55
Side cabinet protection degree - Protezione lato armadio Schutzgrad Schrankseite - Protección lado armario	IP	54	54	54
Noise level - Rumorosità Geräuschpegel dB(A) - Nivel de ruido	dB(A)	65	65	65